

13. (Amended) An imaging apparatus as set forth in Claim 12 wherein said birefringent uniaxial crystal optical filter is comprised of two double refractors, and said four spots form a rhomboidal pattern wherein a sharp angle of the rhomboid is 45° and wherein the [optical] spatial filter is rotated about an optical axis of the imaging apparatus such that a base of the rhomboidal pattern forms an angle with one of two major coordinates of the imaging apparatus of between 20° to 40°.

Please Add New Claim:

--19. An imaging apparatus for generating an image signal from incident light with higher spatial frequencies of said incident light limited to reduce undersampling artifacts, said apparatus comprising:

an image sensor for generating the image signal from an array of photosites;

an optical section having a spatial filter made of a highly birefringent uniaxial crystal selected from a group comprised of lithium niobate and lithium tantalate interposed in the path of the incident image light so as to produce at least four spots at a detector plane; and

wherein said birefringent uniaxial crystal [optical] spatial filter is comprised of two double refractors, and said four spots form a rhomboidal pattern wherein a sharp angle of the rhomboid is 45° and wherein the spatial filter is rotated about an optical axis of the imaging apparatus such that a base of the rhomboidal pattern forms an angle with one of two major coordinates of the imaging apparatus of between 20° to 40°.--

REMARKS

Claims 2, 3, 6-9, 14 and 16, having been cancelled and new claim 19 having been added, the claims remaining in this application are 1, 4, 5, 7, 10-13, and 17-19.

Effectiveness of the declaration

The Examiner is respectfully requested to reconsider the declaration and supporting documents which were submitted on July 3, 2000. It is believed that the demonstrative evidence provided clearly shows the invention was conceived and in the possession of the inventor prior to the date of the